

Title (en)
PROCESS FOR MAKING A LAMINATED SHEET

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER VERBUNDFOLIE

Title (fr)
PROCÉDÉ DE FABRICATION D'UNE FEUILLE STRATIFIÉE

Publication
EP 2861416 A1 20150422 (EN)

Application
EP 13806600 A 20130523

Priority
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• CA 2013000501 W 20130523

Abstract (en)
[origin: WO2013188951A1] A process is provided for making stiff, lightweight laminate materials. At least one sheet of textured lamina having raised pointed structures is forced against a softer plain lamina so as to embed the structures therein. The pointed structures raised from grooves carved into the surface of the sheet material by means of a set of teeth carried on a knife element. The pointed structures may pierce through the softer lamina such that the protruding tips may be bent over or clinched to prevent their easy withdrawal. Two such texturized lamina may be used to sandwich and pierce through the softer lamina and are co-clinched by the other. In this way a light and stiff laminate is created.

IPC 8 full level
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CPC (source: CN EP RU US)
B32B 3/266 (2013.01 - US); **B32B 3/30** (2013.01 - CN EP RU US); **B32B 5/18** (2013.01 - CN); **B32B 7/022** (2018.12 - CN EP RU US); **B32B 7/08** (2013.01 - CN EP RU US); **B32B 15/046** (2013.01 - CN EP US); **B32B 15/06** (2013.01 - CN EP US); **B32B 15/08** (2013.01 - CN EP US); **B32B 15/10** (2013.01 - CN EP US); **B32B 15/18** (2013.01 - CN EP US); **B32B 15/20** (2013.01 - US); **B32B 37/02** (2013.01 - US); **B32B 37/06** (2013.01 - CN EP US); **B32B 37/08** (2013.01 - CN EP US); **B32B 37/10** (2013.01 - US); **B32B 37/144** (2013.01 - US); **B32B 37/203** (2013.01 - CN EP US); **B32B 38/0004** (2013.01 - US); **B32B 38/0012** (2013.01 - US); **B32B 38/04** (2013.01 - CN EP US); **E04C 2/26** (2013.01 - CN EP US); **E04C 2/292** (2013.01 - CN EP US); **B32B 5/18** (2013.01 - EP US); **B32B 15/046** (2013.01 - RU); **B32B 37/14** (2013.01 - RU); **B32B 38/04** (2013.01 - RU); **B32B 2038/047** (2013.01 - CN EP US); **B32B 2250/02** (2013.01 - US); **B32B 2250/03** (2013.01 - US); **B32B 2307/536** (2013.01 - CN EP US); **B32B 2307/544** (2013.01 - CN EP US); **B32B 2307/546** (2013.01 - CN EP US); **B32B 2311/00** (2013.01 - CN EP US); **B32B 2323/04** (2013.01 - CN EP US); **B32B 2369/00** (2013.01 - CN EP US); **Y10T 156/1043** (2015.01 - EP US); **Y10T 156/1062** (2015.01 - EP US); **Y10T 156/1084** (2015.01 - EP US); **Y10T 428/24289** (2015.01 - EP US); **Y10T 428/24339** (2015.01 - EP US); **Y10T 428/24612** (2015.01 - EP US)

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